REMARKS

Claims 1-5 are pending in this application. By this Amendment, Applicant amends claim 1.

Claims 1, 2, 4 and 5 were rejected under 35 U.S.C. §102(b) as being anticipated by Ohira (JP 7-131209). And claims 1-5 were rejected under 35 U.S.C. §103 as being unpatentable over Maeda et al. (U.S. 3,836,874) in view of Ohira. Applicant respectfully traverses these rejections

Claim 1 has been amended to recite:

"A nonreciprocal circuit device comprising:

a plurality of central conductors overlappingly intersecting with each other and disposed on a magnetic member for receiving a DC magnetic field[,]; and

a coiled-shaped inductor connected at its ends to at least one portion section of said central conductors and to a signal input/output terminal, respectively, said ends of said inductor being offset from each other in a direction substantially parallel to said magnetic member, and said inductor being disposed so that the direction of the magnetic flux generated by said inductor and passing through said magnetic member is substantially perpendicular to the direction of said DC magnetic field; wherein

said magnetic member has a substantially rectangular shape with four edge surfaces; and

said inductor having a longitudinal axis, said inductor being arranged such that the longitudinal axis is substantially parallel to one of said four edge surfaces of said magnetic member." (Emphasis added)

In a conventional nonreciprocal circuit device, such as the devices taught by Ohira and Maeda et al., a <u>disk-shaped</u> magnetic member and an inductor are provided. With such a combination and arrangement of elements, it is difficult to arrange the inductor close to the magnetic member.

In contrast, the present invention includes a substantially rectangular magnetic member, and a coil-shaped inductor which is arranged such that the longitudinal axis of the inductor is <u>substantially parall I to one of the edg surfac sof the magnetic member</u>. With this unique combination and arrangement of elements, the inductor is arranged much closer to the magnetic member than in the conventional nonreciprocal circuit devices, and thus, the high permeability material of the magnetic member

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intervenes in the magnetic field of the inductor which results in greatly increased inductance of the inductor.

In contrast to the present claimed invention, Ohira and Maeda et al. teach magnetic members 6 and 31, respectively, which are disk shaped. Thus, Ohira and Maeda et al. clearly fail to teach or suggest a substantially rectangular magnetic member, and certainly fail to teach or suggest "said inductor having a longitudinal axis, said inductor being arranged such that said longitudinal axis is substantially parallel to one of said four edge surfaces of said magnetic member" as recited in the present claimed invention.

Accordingly, Applicant respectfully submits that Ohira and Maeda et al., taken individually or in combination, fail to teach or suggest the unique combination and arrangement of elements recited in claim 1 of the present application.

In view of the foregoing amendments and remarks, Applicant respectfully submits that claim 1 is allowable. Claims 2-5 depend upon claim 1, and are therefore allowable for at least the reasons that claim 1 is allowable.

In view of the foregoing Remarks, Applicant respectfully submits that this application is in condition for allowance. Favorable consideration and prompt allowance are respectfully solicited.

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The Commissioner is authorized to charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 50-1353.

Respectfully submitted,

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VERSION WITH MARKINGS SHOWING CHANGES MADE

1. (Twice Amended) A nonreciprocal circuit device comprising:

a plurality of central conductors overlappingly intersecting with each other and disposed on a magnetic member for receiving a DC magnetic field[,]; and

a [solenoid] <u>coiled</u>-shaped inductor connected at its ends to at least one portion section of said central conductors and to a signal input/output terminal, respectively, said ends of said inductor being offset from each other in a direction substantially parallel to said magnetic member, and said inductor being disposed so that the direction of the magnetic flux generated by said inductor and passing through said magnetic member is substantially perpendicular to the direction of said DC magnetic field; wherein

said magnetic member has a substantially rectangular shape with four edge surfaces; and

said inductor having a longitudinal axis, said inductor being arranged such that the longitudinal axis is substantially parallel to one of said four edge surfaces of said magnetic member.